

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097566.D
 Acq On : 20 Sep 2018 7:47
 Operator : SJ/JU
 Sample : J4958-20MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 20 10:49:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 19 16:26:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	780	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	3468	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	1939	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	5498	0.40	ng	0.00
27) Chrysene-d12	20.97	240	8604	0.40	ng	0.00
34) Perylene-d12	23.20	264	8677	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	350	0.15	ng	0.02
5) Phenol-d6	6.64	99	177	0.06	ng	0.04
8) Nitrobenzene-d5	8.53	82	1023	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	2657	0.56	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	316	0.43	ng	-0.01
15) 2-Fluorobiphenyl	12.62	172	4109	0.60	ng	-0.01
25) Fluoranthene-d10	18.80	212	29433	0.42	ng	0.00
29) Terphenyl-d14	19.41	244	7704	0.49	ng	0.00

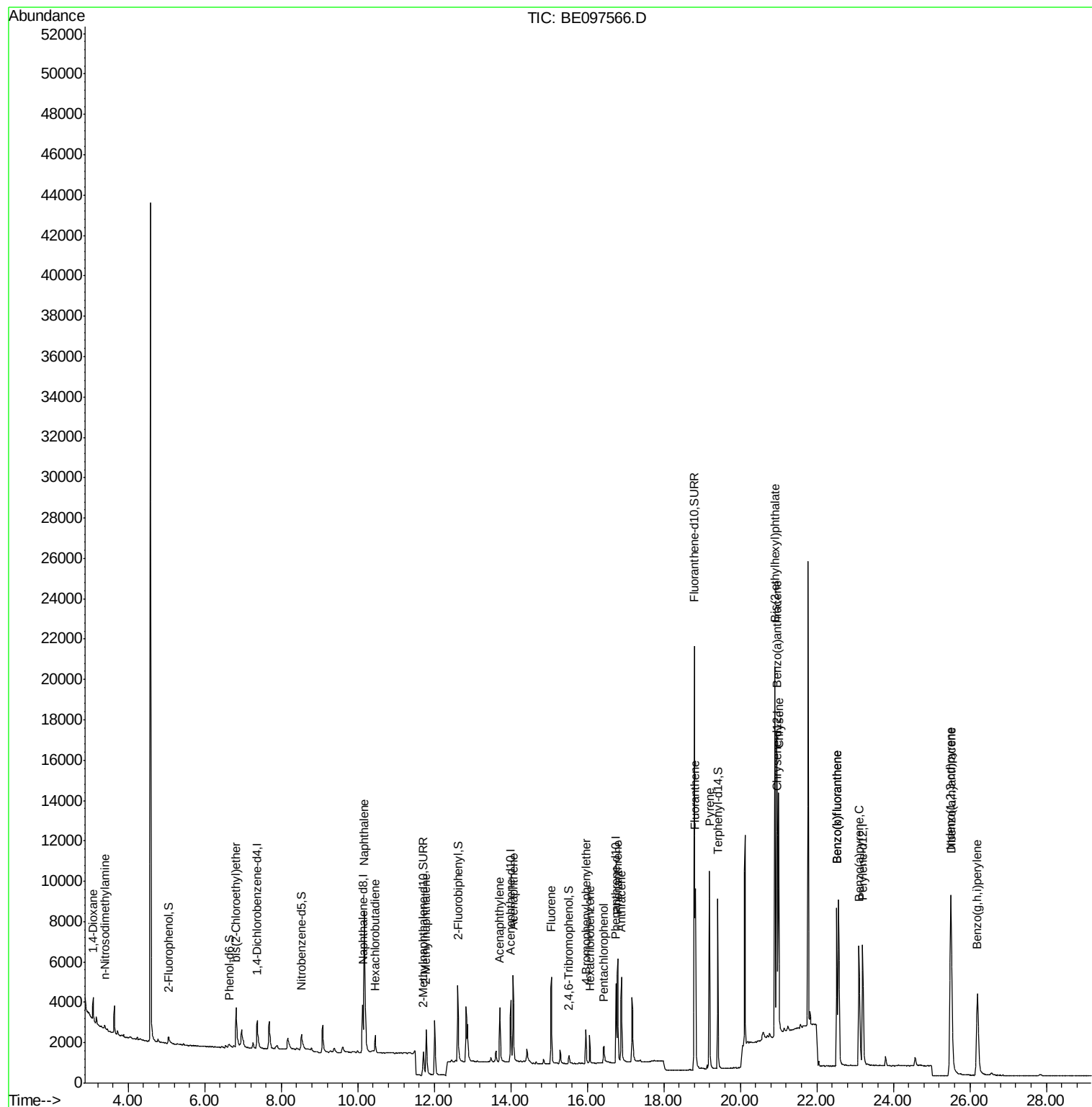
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.08	88	644	0.493	ng	96
3) n-Nitrosodimethylamine	3.38	42	180	0.169	ng	90
6) bis(2-Chloroethyl)ether	6.82	93	974	0.351	ng	92
9) Naphthalene	10.17	128	14051	0.450	ng	99
10) Hexachlorobutadiene	10.46	225	558	0.388	ng	97
12) 2-Methylnaphthalene	11.80	142	2241	0.460	ng	99
16) Acenaphthylene	13.72	152	3423	0.447	ng	100
17) Acenaphthene	14.06	154	2315	0.450	ng	98
18) Fluorene	15.06	166	3040	0.454	ng	# 78
20) 4-Bromophenyl-phenylether	15.96	248	1012	0.408	ng	# 84
21) Hexachlorobenzene	16.07	284	1115	0.409	ng	# 84
22) Pentachlorophenol	16.44	266	671	0.679	ng	# 78
23) Phenanthrene	16.80	178	6155	0.472	ng	99
24) Anthracene	16.89	178	5419	0.470	ng	96
26) Fluoranthene	18.83	202	8626	0.476	ng	98
28) Pyrene	19.19	202	9221	0.471	ng	99
30) Benzo(a)anthracene	20.95	228	10697	0.494	ng	95
31) Chrysene	21.00	228	10386	0.447	ng	100
32) Bis(2-ethylhexyl)phthalate	20.91	149	22042	0.616	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.50	276	12896	0.461	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	10221	0.459	ng	# 89
36) Benzo(k)fluoranthene	22.53	252	10221	0.402	ng	94
37) Benzo(a)pyrene	23.10	252	10294	0.474	ng	# 91
38) Dibenzo(a,h)anthracene	25.51	278	10788	0.462	ng	96
39) Benzo(g,h,i)perylene	26.19	276	10706	0.472	ng	# 89

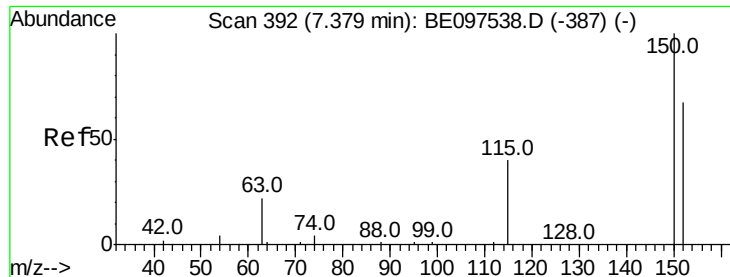
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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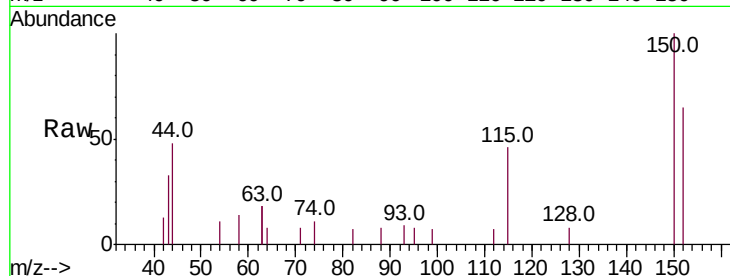


#1

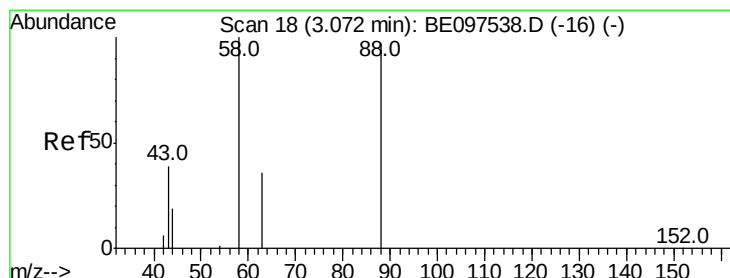
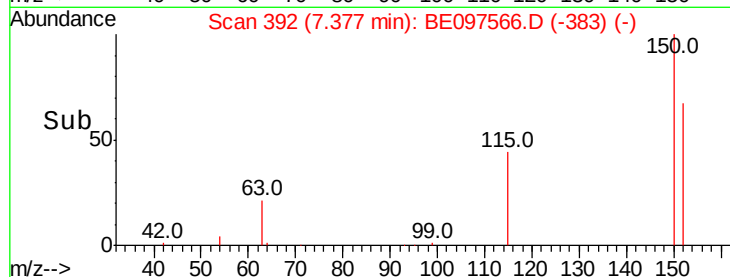
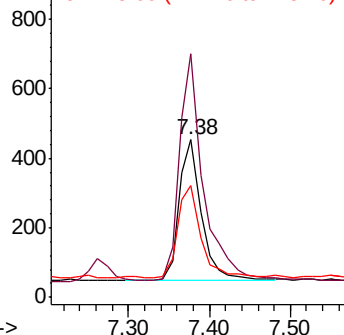
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 780
Ion Ratio Lower Upper
152 100
150 154.5 117.2 175.8
115 71.1 57.0 85.6



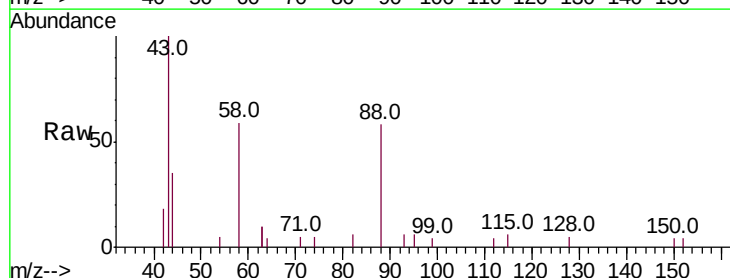
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



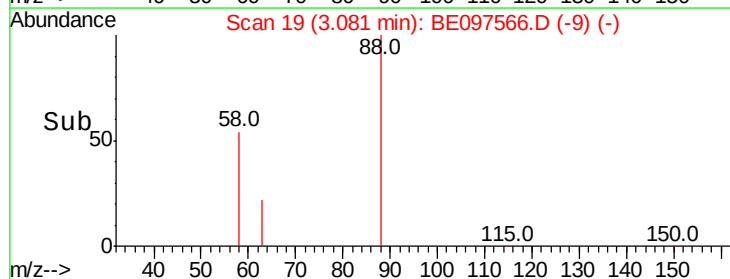
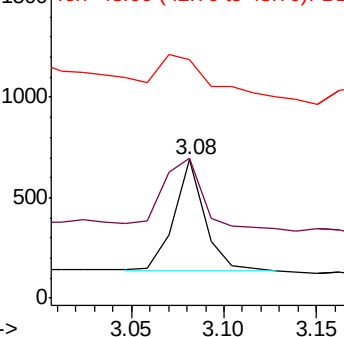
#2

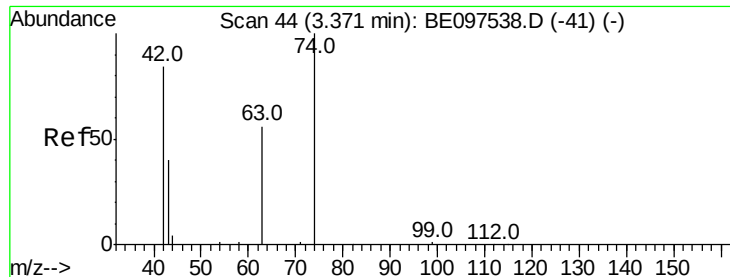
1,4-Dioxane
Concen: 0.493 ng
RT: 3.08 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion: 88 Resp: 644
Ion Ratio Lower Upper
88 100
58 80.7 63.2 94.8
43 56.5 41.2 61.8



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.169 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE097566.D

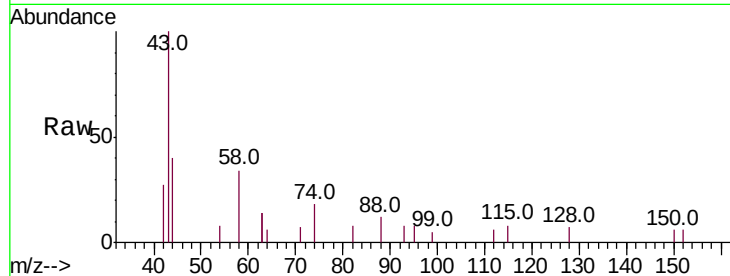
Acq: 20 Sep 2018 7:47

Instrument :

BNA_E

ClientSampled :

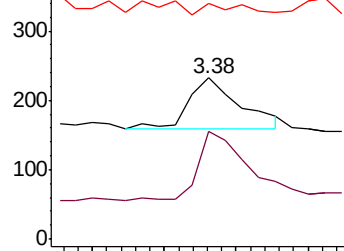
Tot Ion:	42	Resp:	180
Ion	Ratio	Lower	Upper
42	100		
74	131.7	96.0	144.0
44	16.7	12.0	18.0



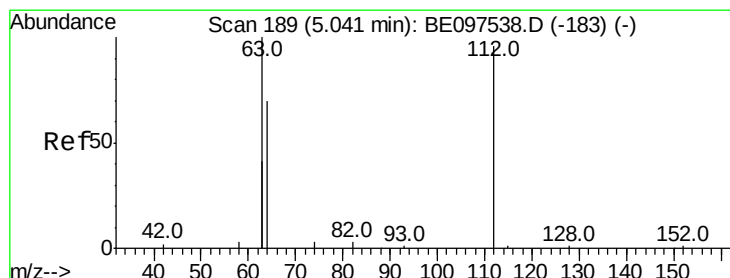
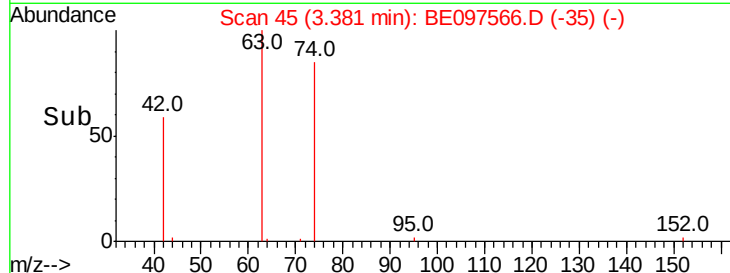
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.150 ng

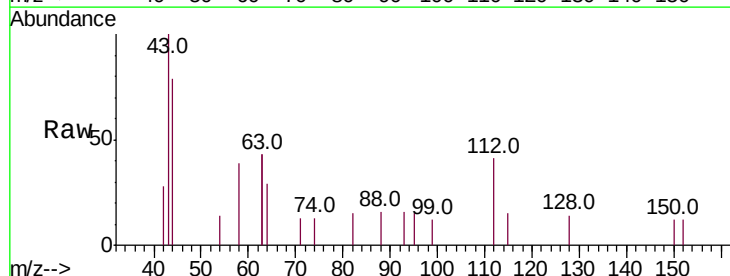
RT: 5.06 min Scan# 191

Delta R.T. 0.02 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

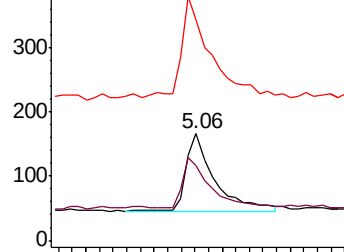
Tgt Ion:	112	Resp:	350
Ion	Ratio	Lower	Upper
112	100		
64	62.9	60.1	90.1
63	134.9	116.8	175.2



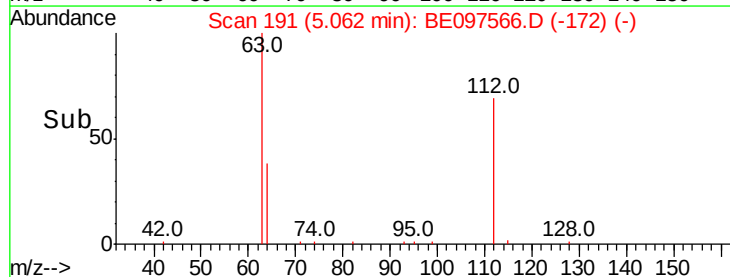
Abundance Ion 112.00 (111.70 to 112.70): E

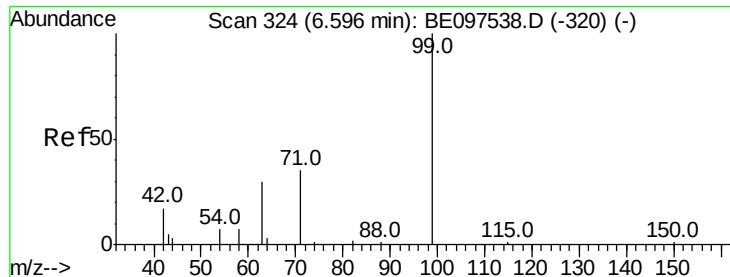
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.059 ng

RT: 6.64 min Scan# 328

Delta R.T. 0.04 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

Instrument :

BNA_E

ClientSampled :

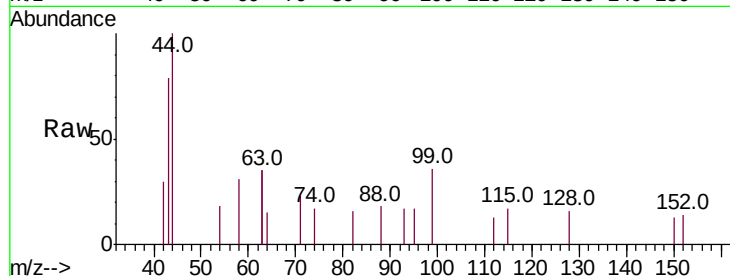
Tot Ion: 99 Resp: 177

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

71 34.5 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

6.64

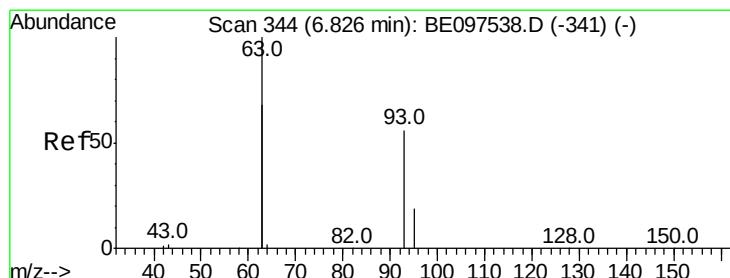
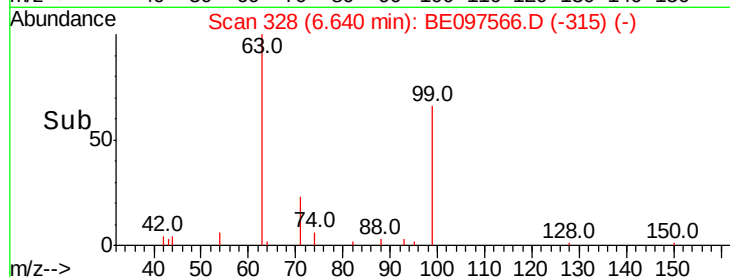
100

50

0

6.55 6.60 6.65

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.351 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

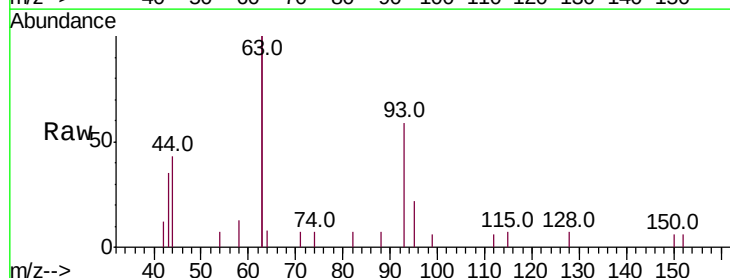
Tgt Ion: 93 Resp: 974

Ion Ratio Lower Upper

93 100

63 327.7 275.3 412.9

95 35.2 25.2 37.8



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

2000

1500

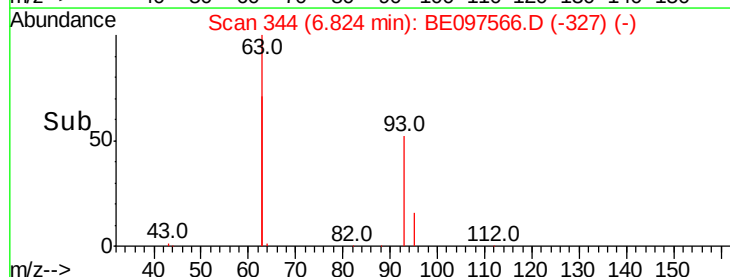
1000

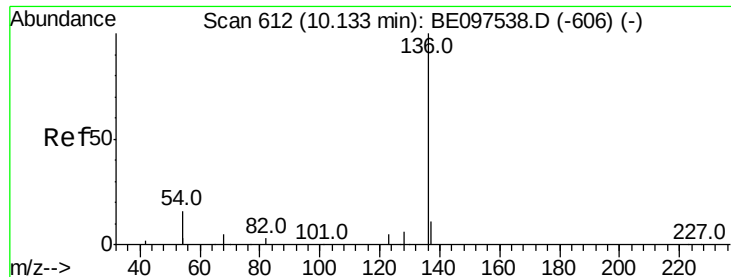
500

0

6.80 6.82 6.84

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3468

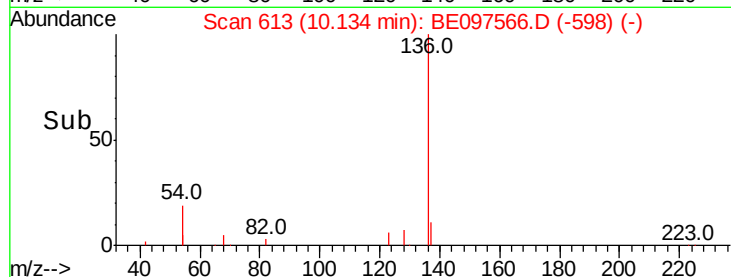
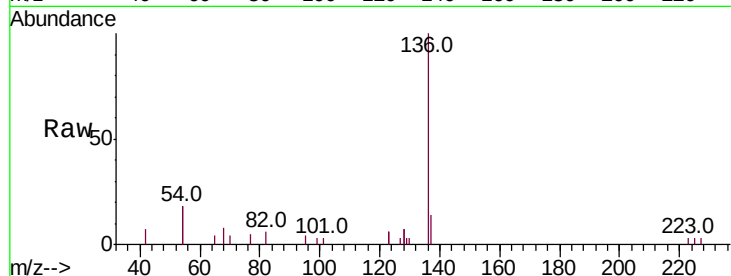
Ion Ratio Lower Upper

136 100

137 13.8 9.5 14.3

54 36.3 29.1 43.7

68 8.3 6.2 9.2

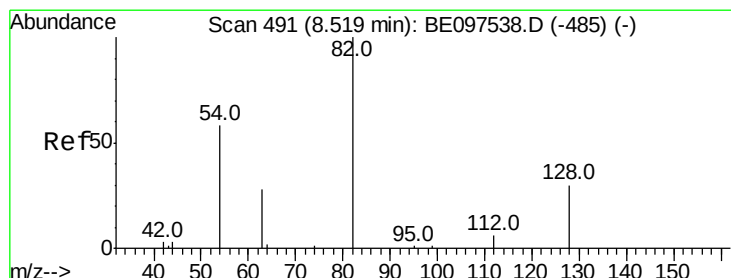
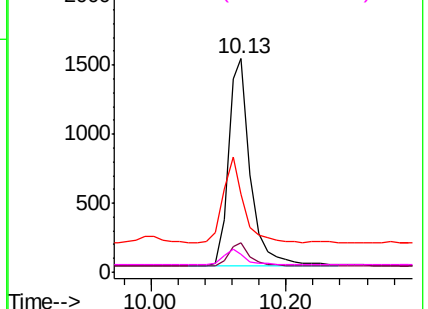


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.382 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

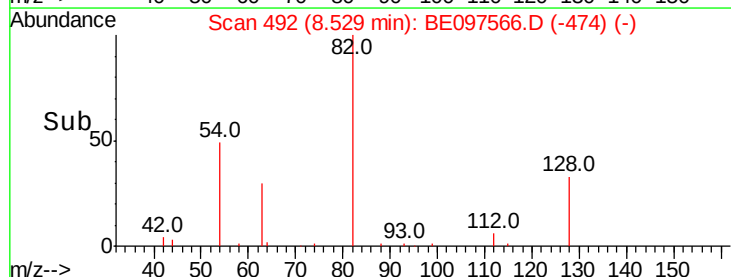
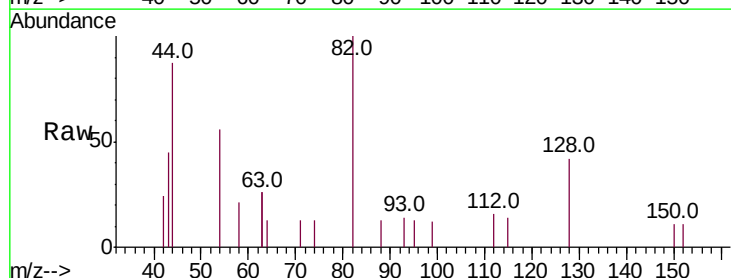
Tgt Ion: 82 Resp: 1023

Ion Ratio Lower Upper

82 100

128 41.9 24.0 36.0#

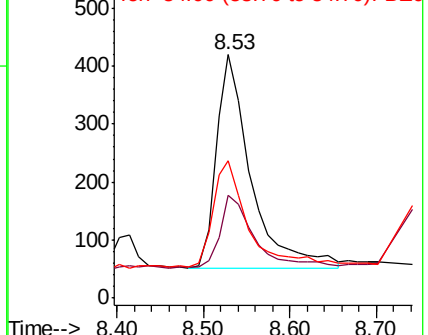
54 56.2 40.0 60.0

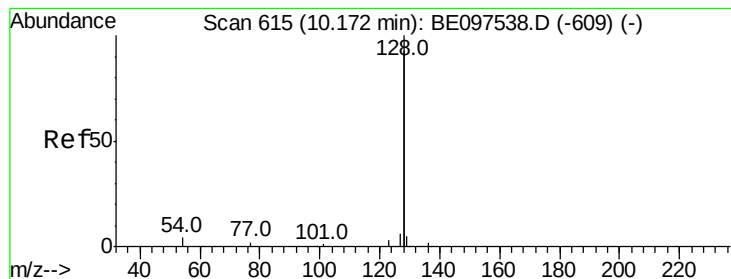


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.450 ng

RT: 10.17 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

Instrument :

BNA_E

ClientSampleId :

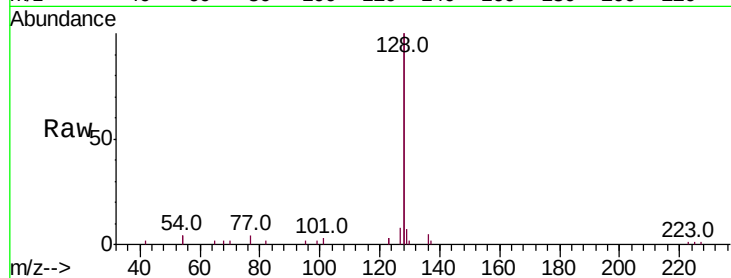
Tot Ion:128 Resp: 14051

Ion Ratio Lower Upper

128 100

129 3.4 2.6 3.8

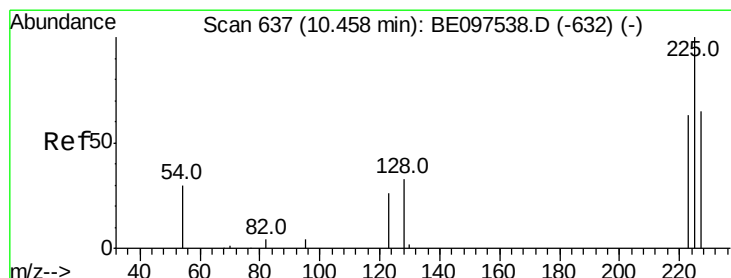
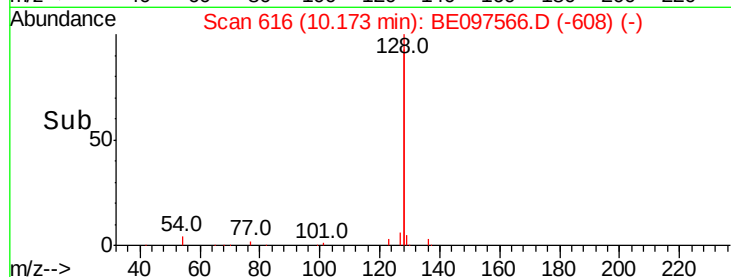
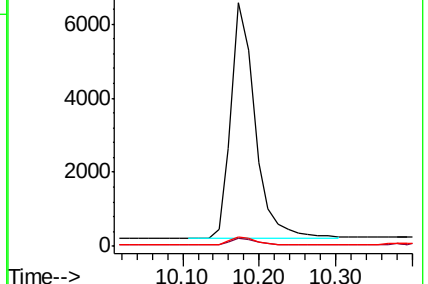
127 3.8 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.388 ng

RT: 10.46 min Scan# 638

Delta R.T. 0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

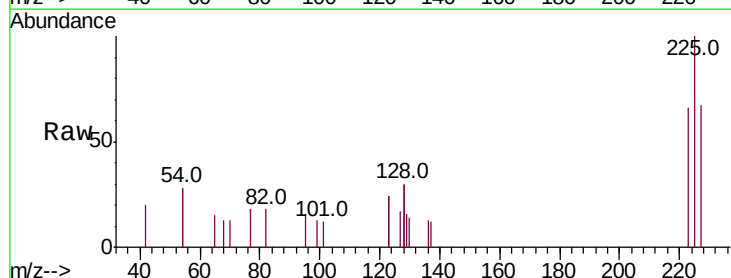
Tgt Ion:225 Resp: 558

Ion Ratio Lower Upper

225 100

223 62.2 53.0 79.6

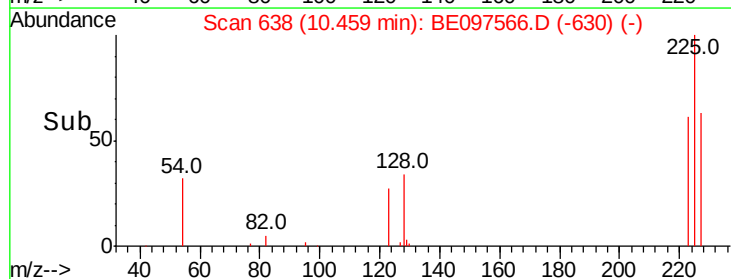
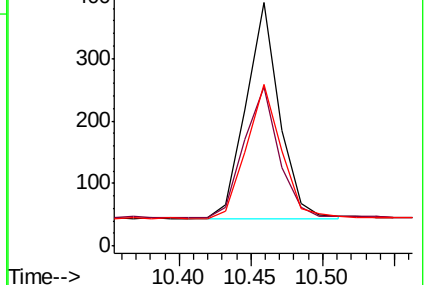
227 65.1 51.4 77.2

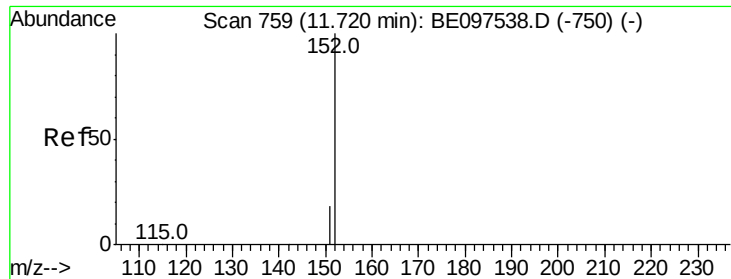


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

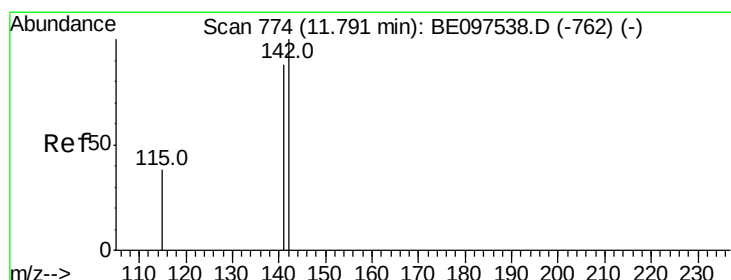
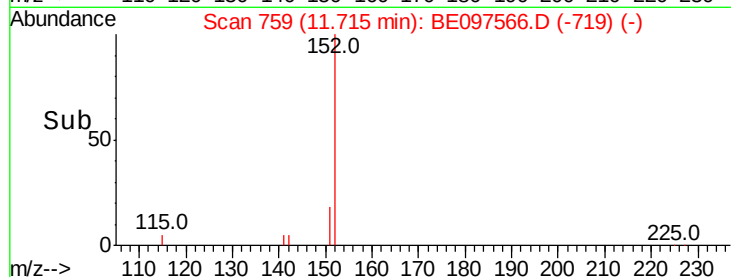
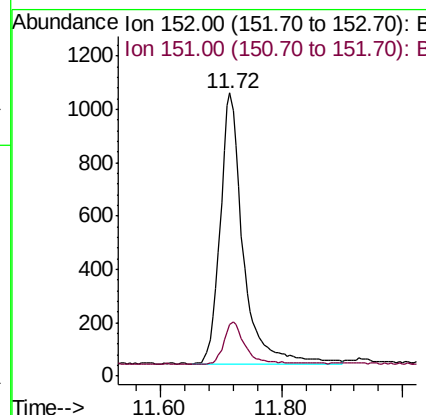
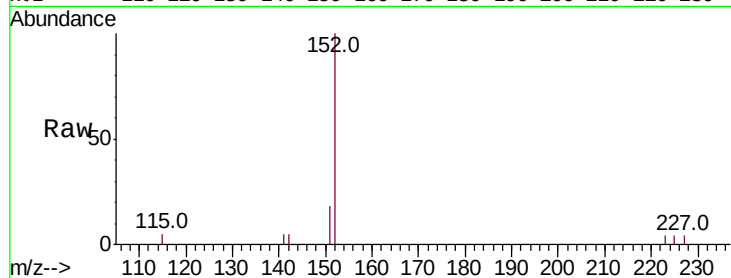




#11
 2-Methylnaphthalene-d10
 Concen: 0.556 ng
 RT: 11.72 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: BE097566.D
 Acq: 20 Sep 2018 7:47

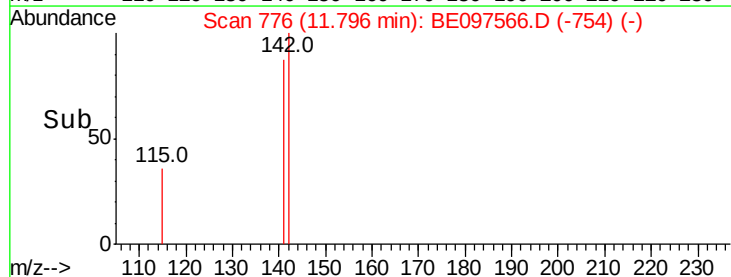
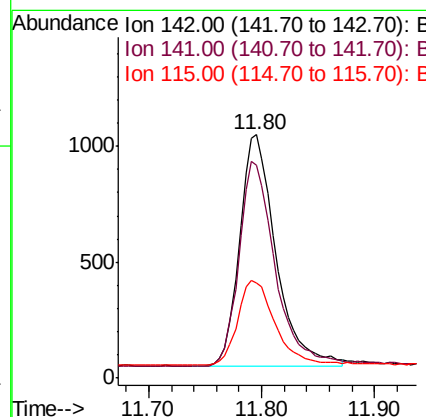
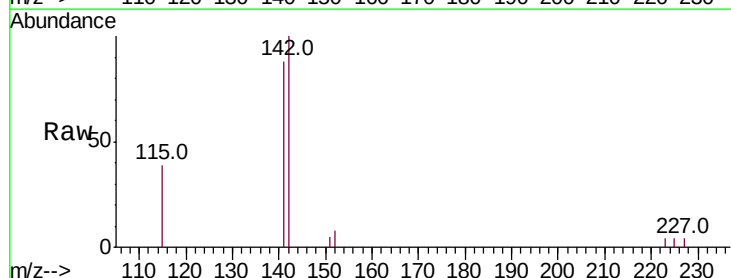
Instrument :
 BNA_E
 ClientSampleId :

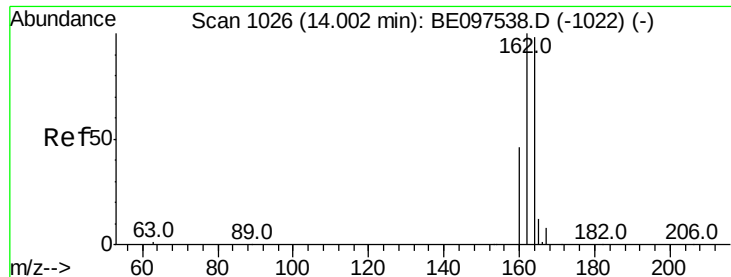
Tot Ion:152 Resp: 2657
 Ion Ratio Lower Upper
 152 100
 151 14.1 15.4 23.0#



#12
 2-Methylnaphthalene
 Concen: 0.460 ng
 RT: 11.80 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: BE097566.D
 Acq: 20 Sep 2018 7:47

Tgt Ion:142 Resp: 2241
 Ion Ratio Lower Upper
 142 100
 141 87.5 70.4 105.6
 115 39.2 31.7 47.5

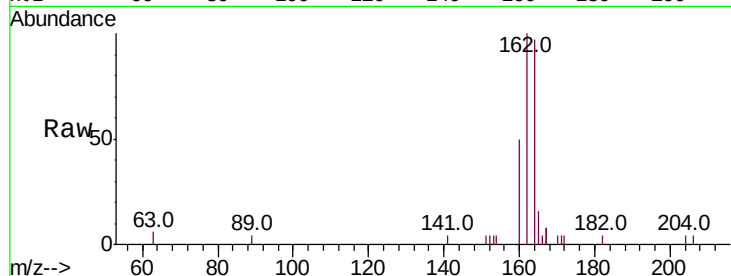




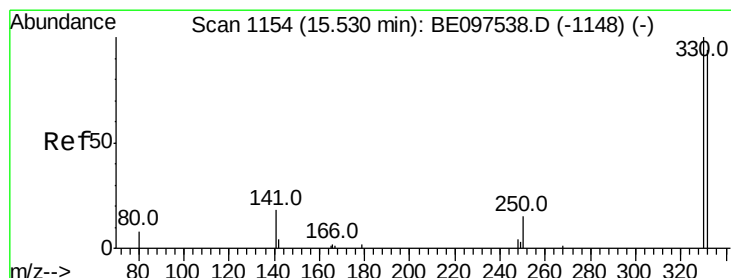
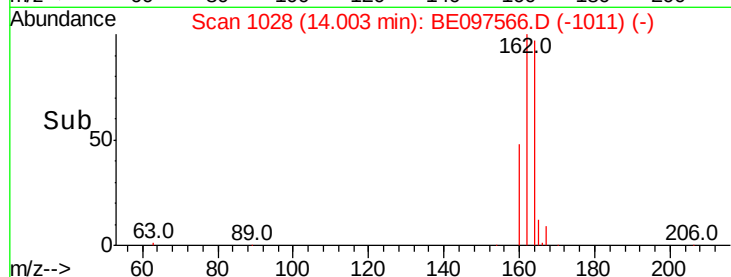
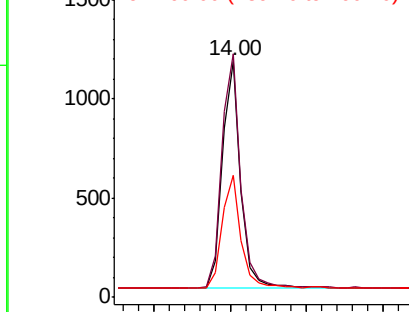
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BE097566.D
 Acq: 20 Sep 2018 7:47

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 1939
 Ion Ratio Lower Upper
 164 100
 162 103.2 83.1 124.7
 160 51.4 37.1 55.7

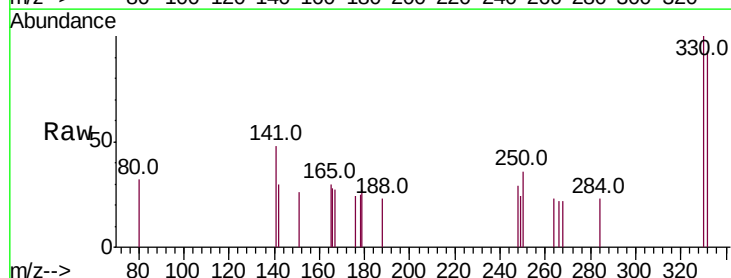


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

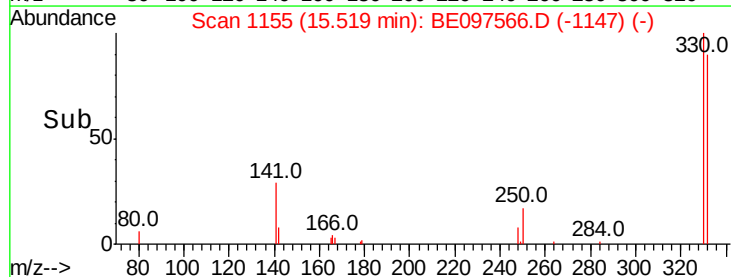
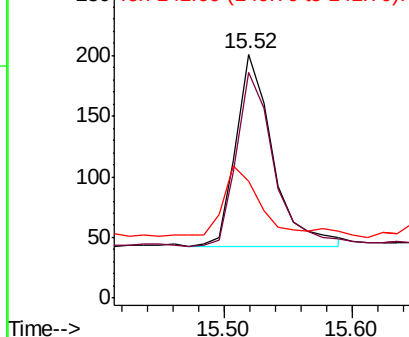


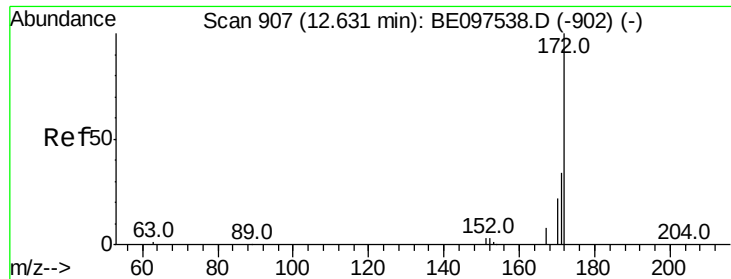
#14
 2,4,6-Tribromophenol
 Concen: 0.427 ng
 RT: 15.52 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BE097566.D
 Acq: 20 Sep 2018 7:47

Tgt Ion:330 Resp: 316
 Ion Ratio Lower Upper
 330 100
 332 91.8 152.7 229.1#
 141 38.0 33.7 50.5



Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

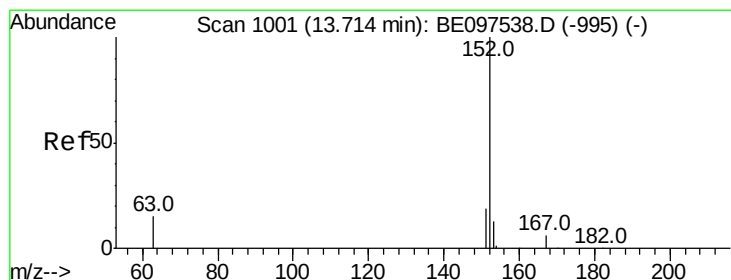
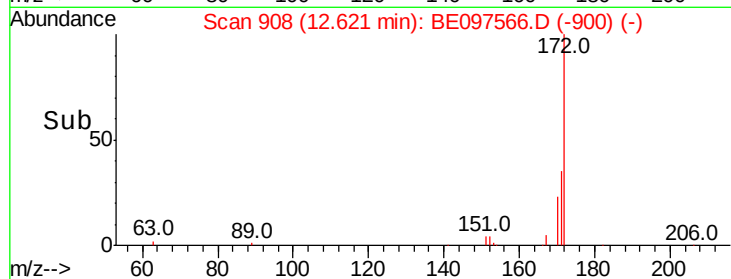
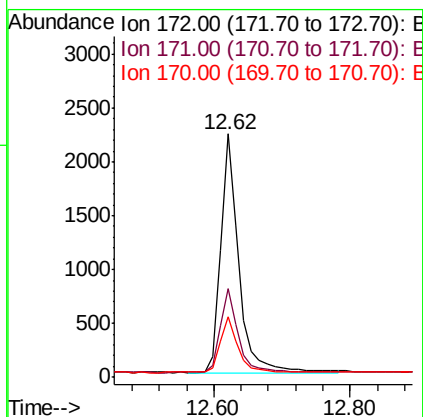
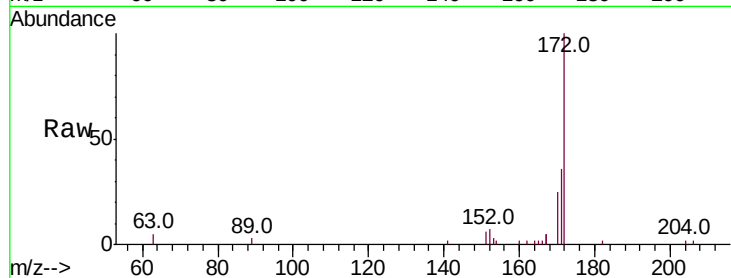




#15
2-Fluorobiphenyl
Concen: 0.600 ng
RT: 12.62 min Scan# 908
Delta R.T. -0.01 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

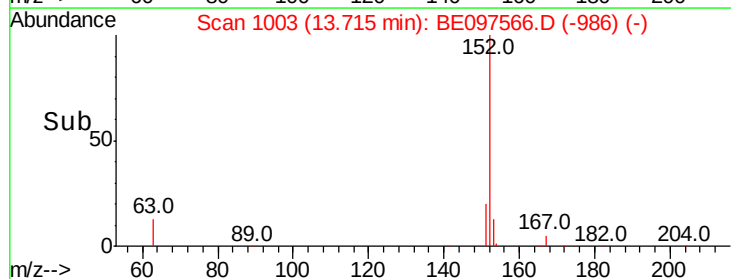
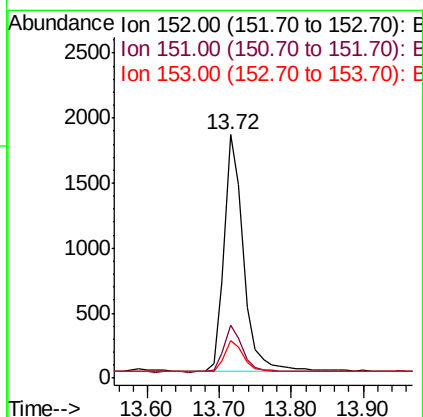
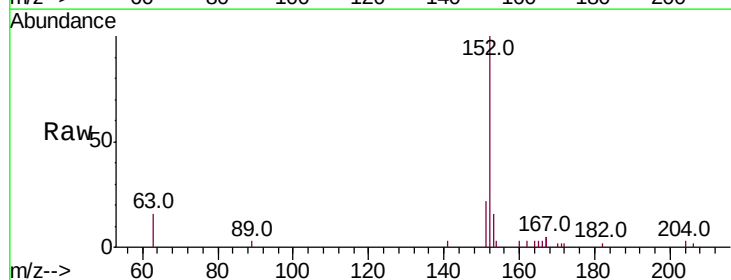
Instrument :
BNA_E
ClientSampleId :

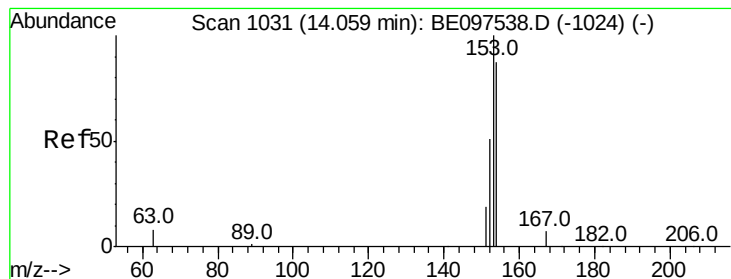
Tot Ion:172 Resp: 4109
Ion Ratio Lower Upper
172 100
171 36.3 29.9 44.9
170 24.9 21.8 32.8



#16
Acenaphthylene
Concen: 0.447 ng
RT: 13.72 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:152 Resp: 3423
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.2 10.5 15.7





#17

Acenaphthene

Concen: 0.450 ng

RT: 14.06 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

Instrument :

BNA_E

ClientSampleId :

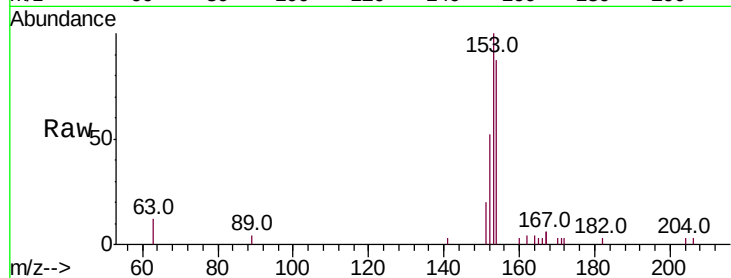
Tot Ion:154 Resp: 2315

Ion Ratio Lower Upper

154 100

153 111.5 89.2 133.8

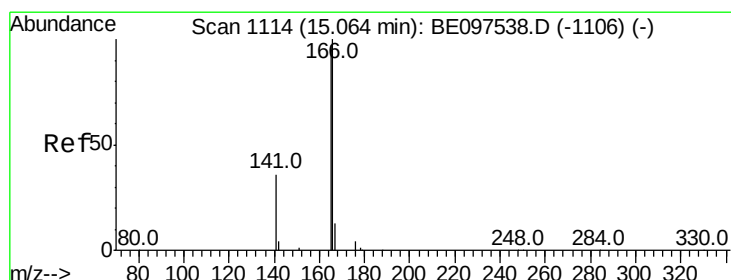
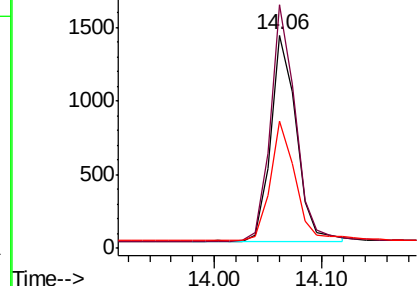
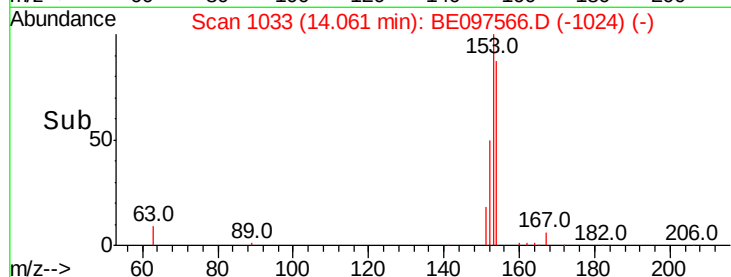
152 56.2 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.454 ng

RT: 15.06 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

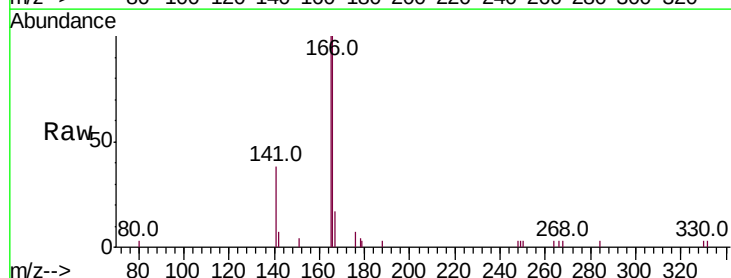
Tgt Ion:166 Resp: 3040

Ion Ratio Lower Upper

166 100

165 101.1 77.8 116.6

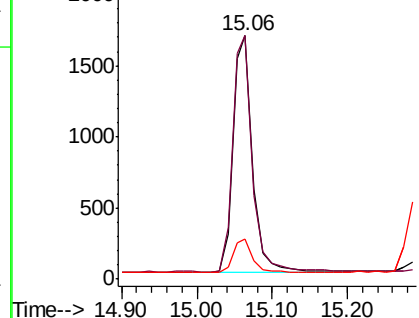
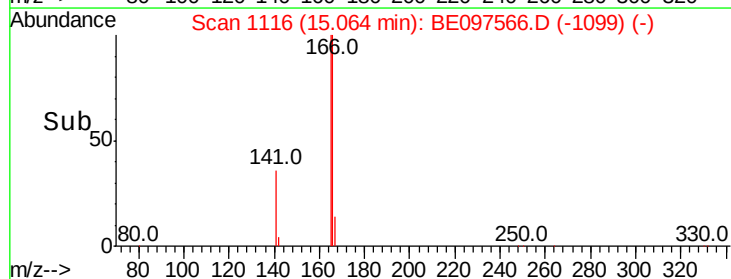
167 14.1 42.4 63.6#

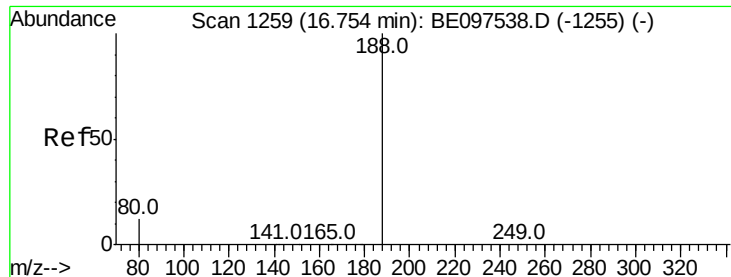


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.75 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

Instrument :

BNA_E

ClientSampleId :

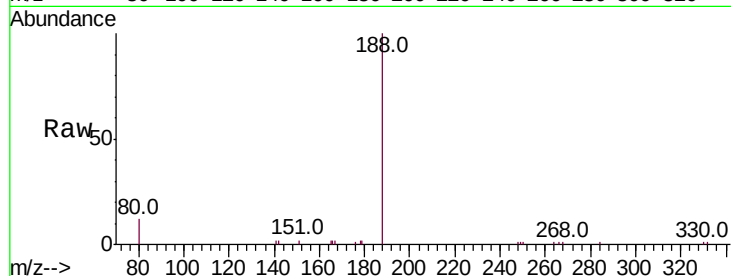
Tot Ion:188 Resp: 5498

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

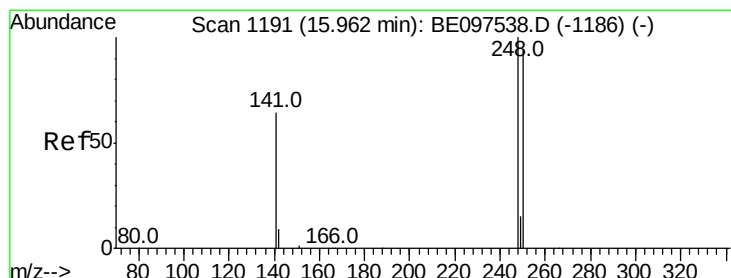
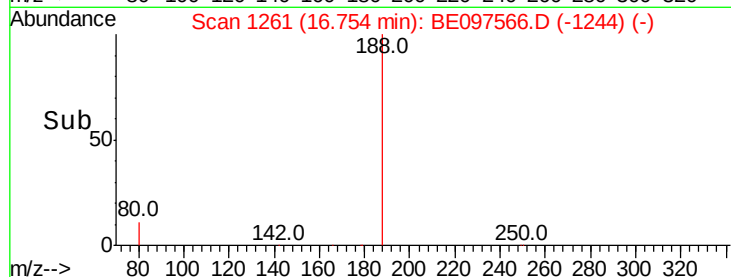
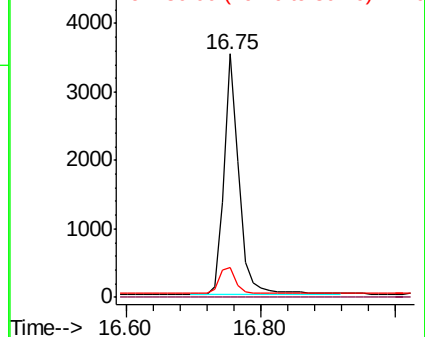
80 12.0 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.408 ng

RT: 15.96 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

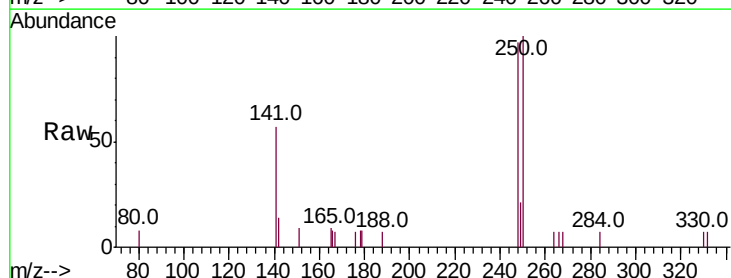
Tgt Ion:248 Resp: 1012

Ion Ratio Lower Upper

248 100

250 102.6 62.7 94.1#

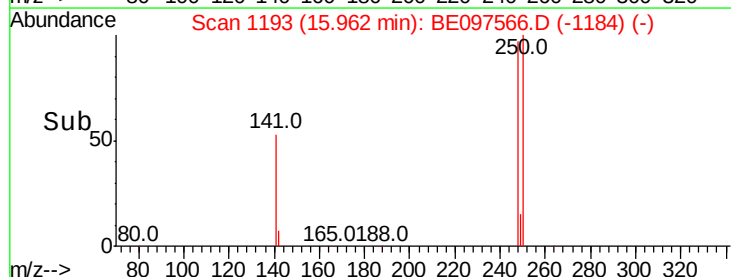
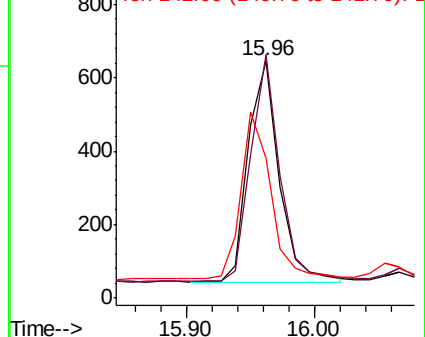
141 58.8 48.2 72.2

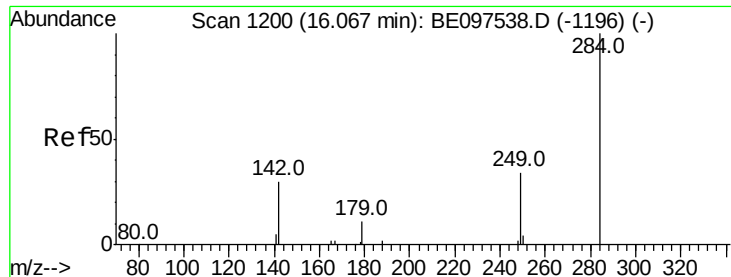


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

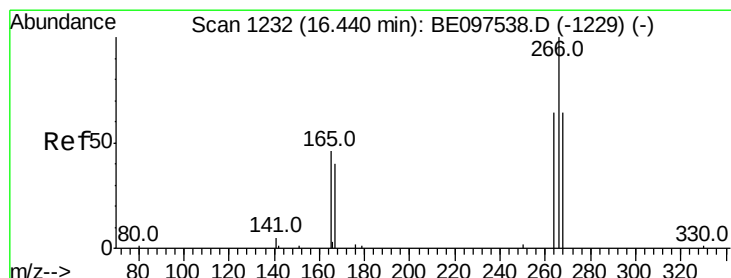
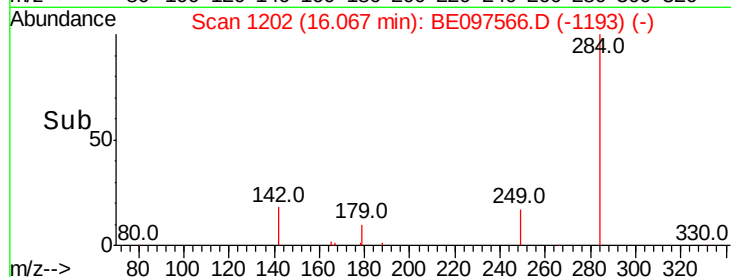
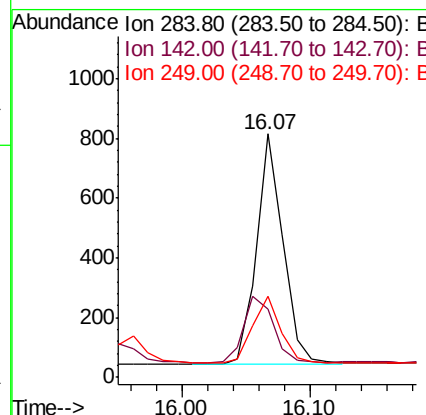
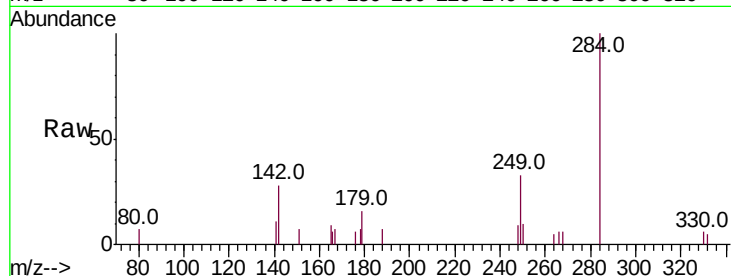




#21
Hexachlorobenzene
Concen: 0.409 ng
RT: 16.07 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

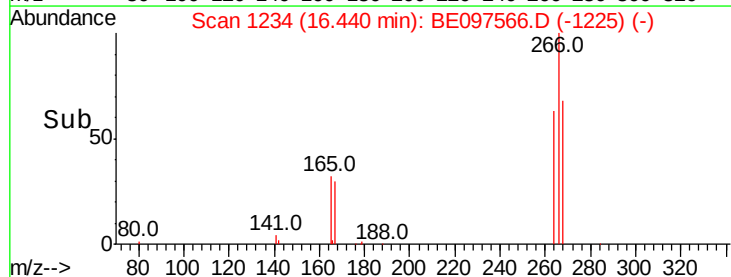
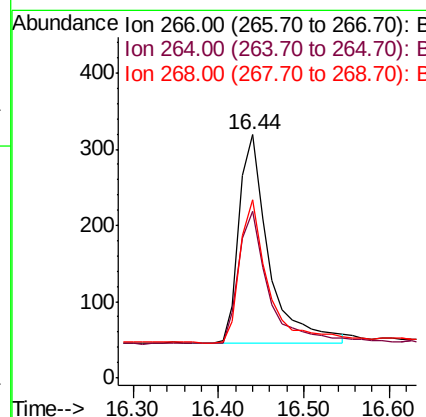
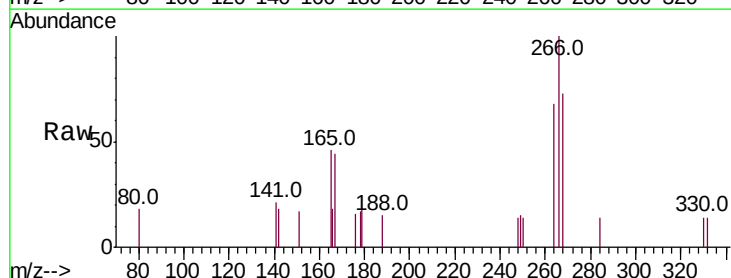
Instrument :
BNA_E
ClientSampled :

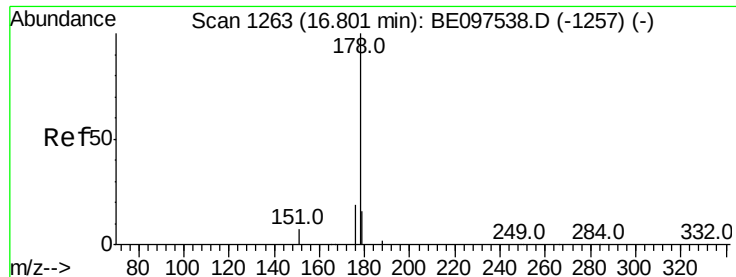
Tot Ion:284 Resp: 1115
Ion Ratio Lower Upper
284 100
142 32.0 22.1 33.1
249 30.0 34.8 52.2#



#22
Pentachlorophenol
Concen: 0.679 ng
RT: 16.44 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:266 Resp: 671
Ion Ratio Lower Upper
266 100
264 68.3 72.5 108.7#
268 73.0 73.8 110.6#





#23

Phenanthrene

Concen: 0.472 ng

RT: 16.80 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

Instrument :

BNA_E

ClientSampleId :

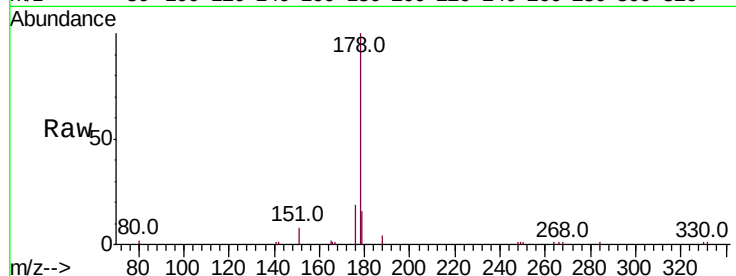
Tot Ion:178 Resp: 6155

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

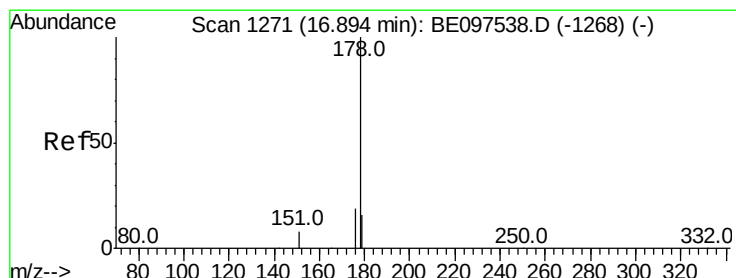
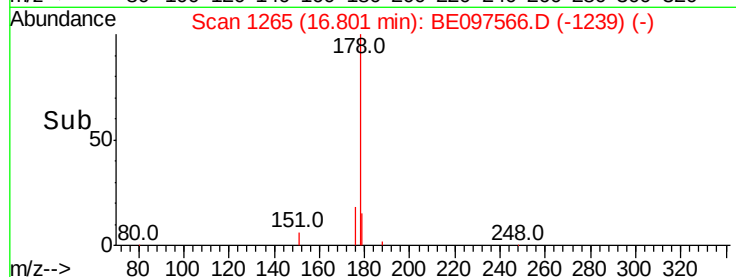
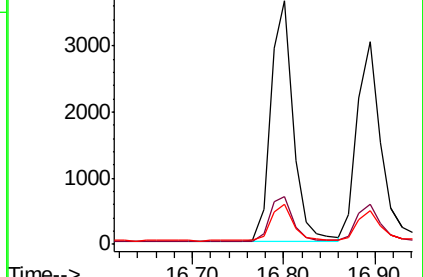
179 15.5 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.470 ng

RT: 16.89 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

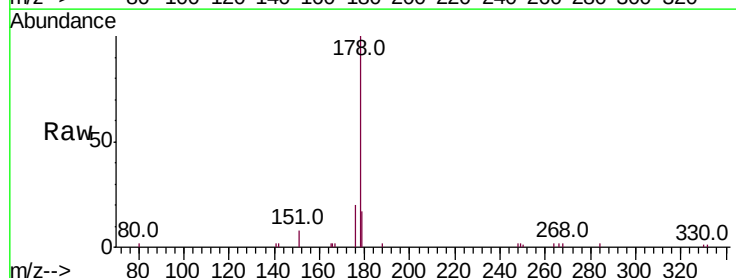
Tgt Ion:178 Resp: 5419

Ion Ratio Lower Upper

178 100

176 18.2 12.8 19.2

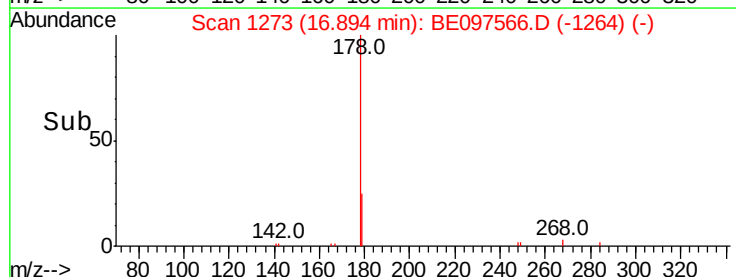
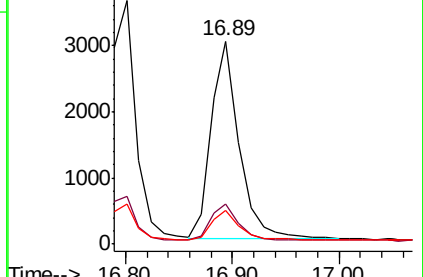
179 15.2 13.0 19.6

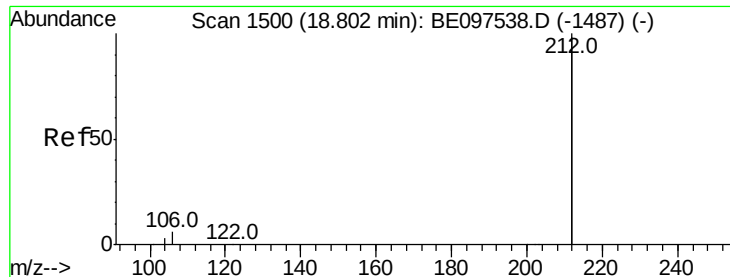


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.418 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

Instrument :

BNA_E

ClientSampleId :

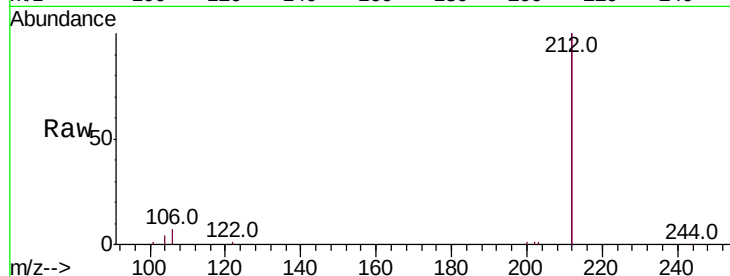
Tot Ion:212 Resp: 29433

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

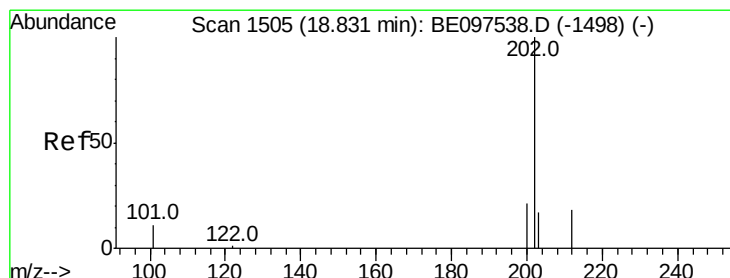
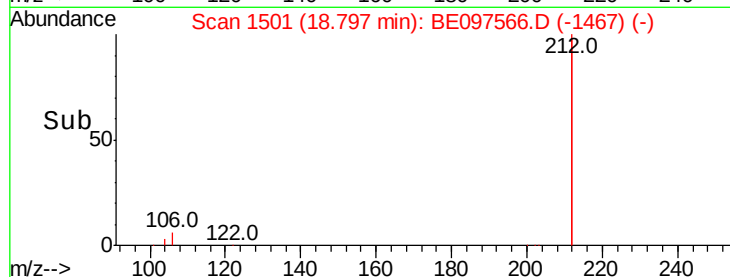
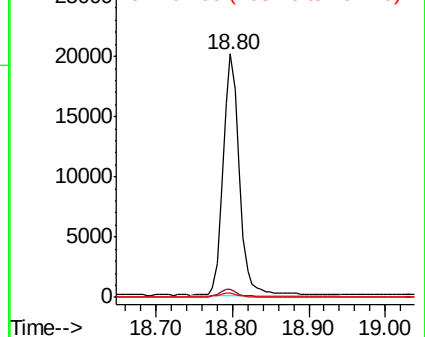
104 1.7 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.476 ng

RT: 18.83 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

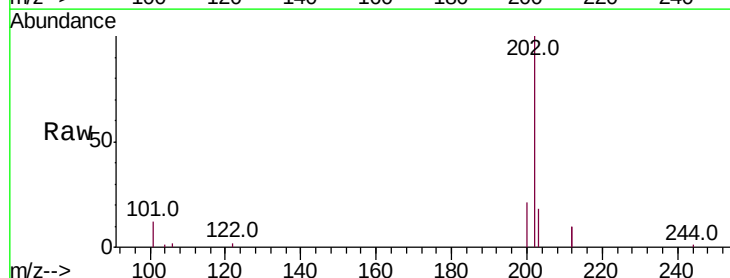
Tgt Ion:202 Resp: 8626

Ion Ratio Lower Upper

202 100

101 11.1 9.8 14.8

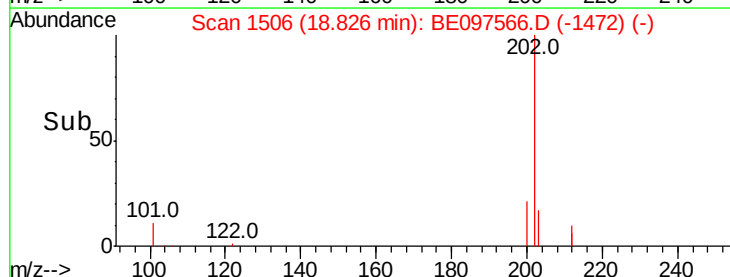
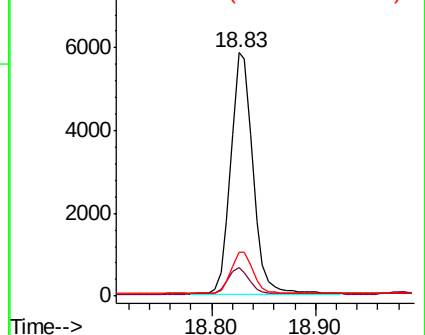
203 17.4 13.7 20.5

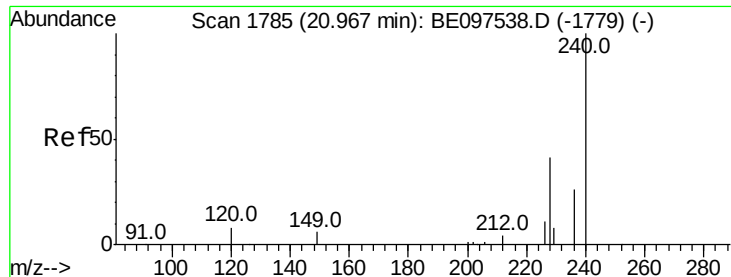


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

Instrument :

BNA_E

ClientSampleId :

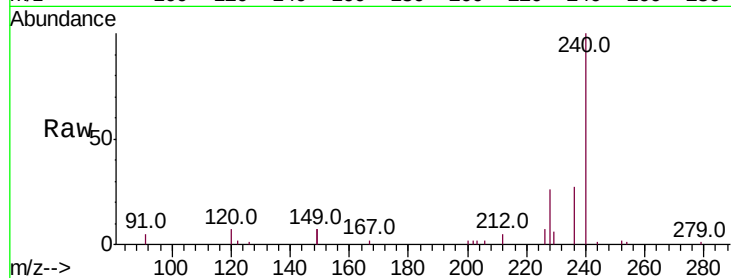
Tot Ion:240 Resp: 8604

Ion Ratio Lower Upper

240 100

120 6.9 5.5 8.3

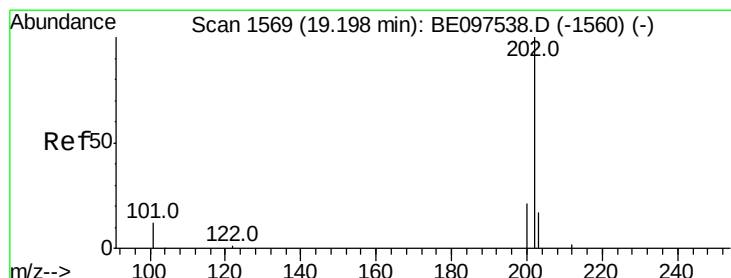
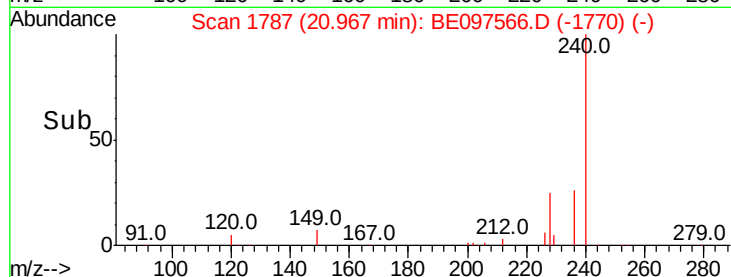
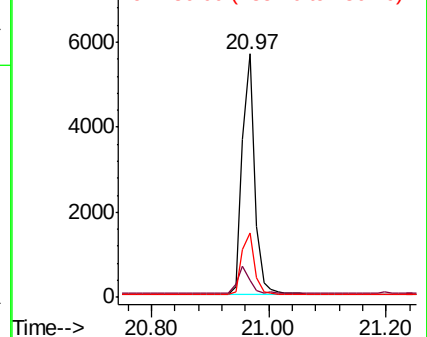
236 26.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.471 ng

RT: 19.19 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

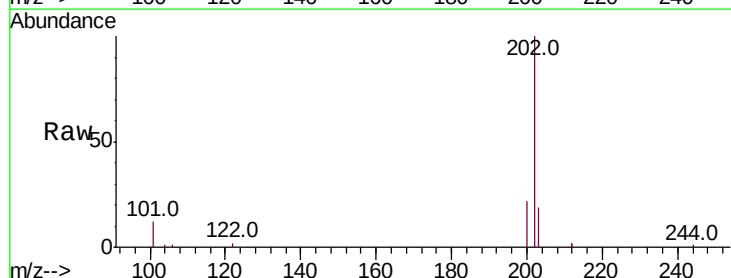
Tgt Ion:202 Resp: 9221

Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

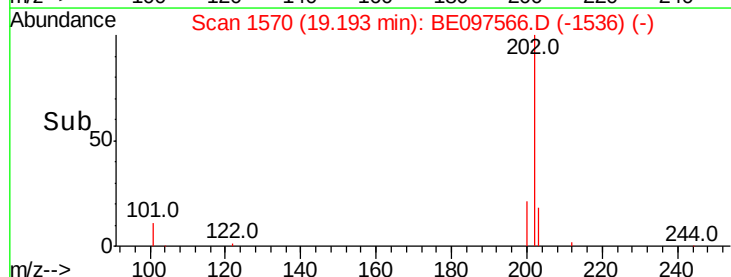
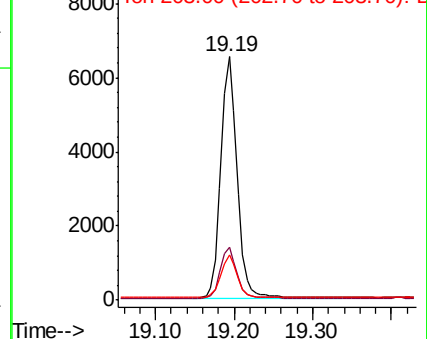
203 17.9 13.8 20.8

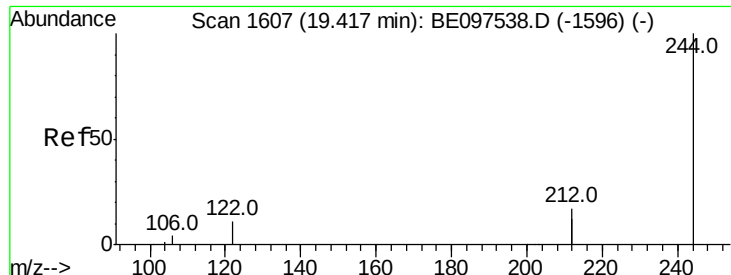


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.489 ng

RT: 19.41 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

Instrument :

BNA_E

ClientSampleId :

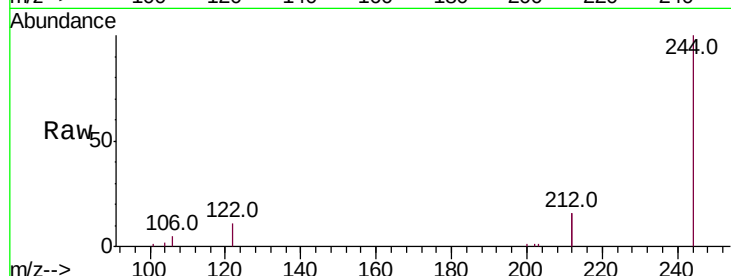
Tot Ion:244 Resp: 7704

Ion Ratio Lower Upper

244 100

212 32.0 25.4 38.0

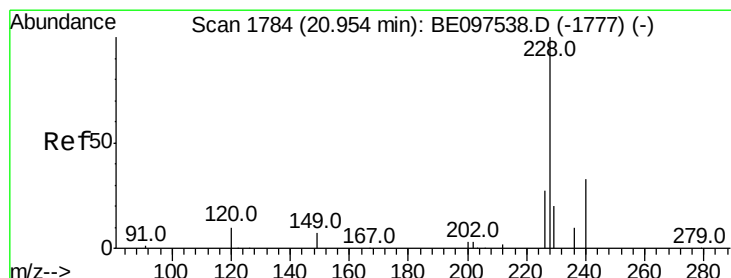
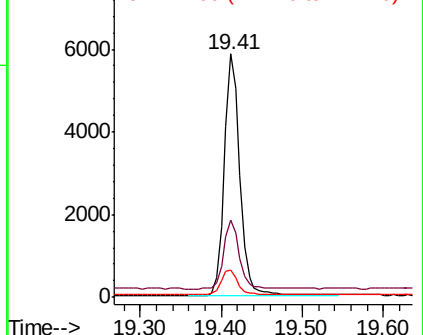
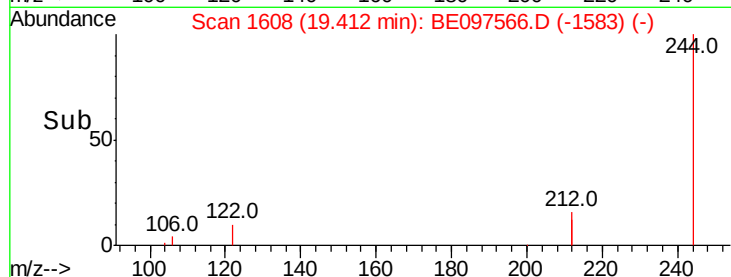
122 11.4 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.494 ng

RT: 20.95 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

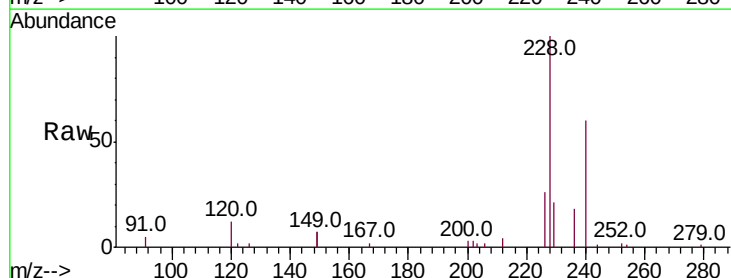
Tgt Ion:228 Resp: 10697

Ion Ratio Lower Upper

228 100

226 26.1 24.0 36.0

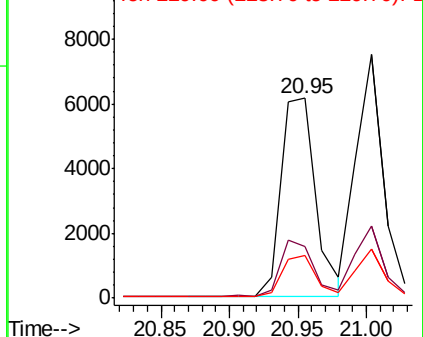
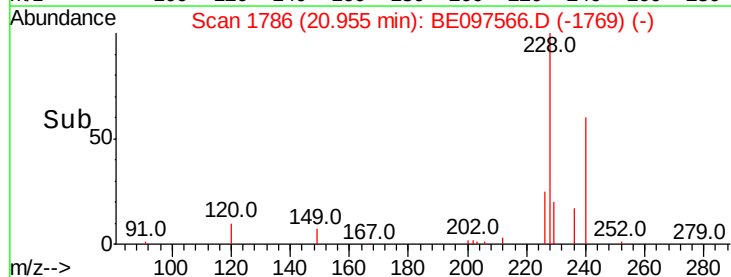
229 21.0 16.0 24.0

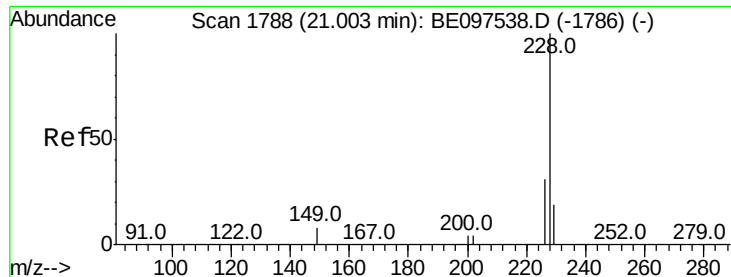


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.447 ng

RT: 21.00 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

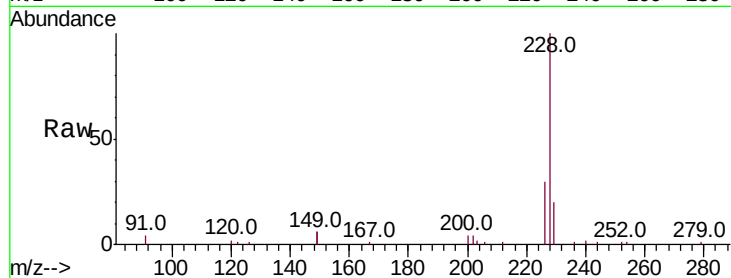
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 10386

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	20.3	16.0	24.0

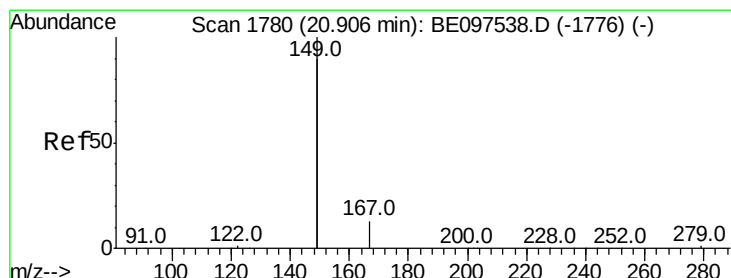
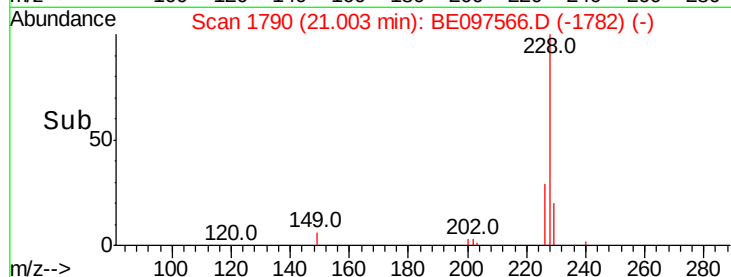
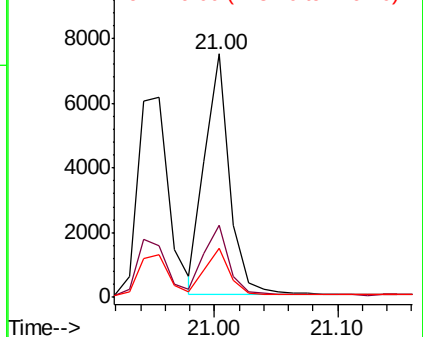


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.616 ng

RT: 20.91 min Scan# 1782

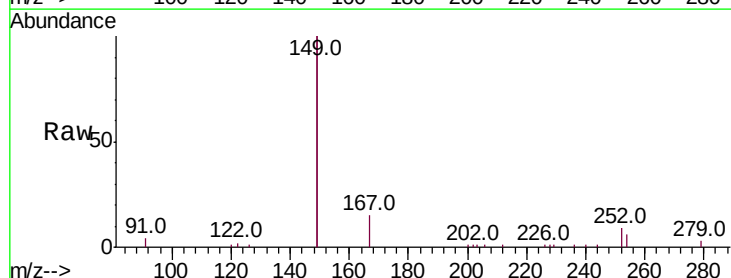
Delta R.T. 0.00 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

Tgt Ion:149 Resp: 22042

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	1.2	0.7	1.1#

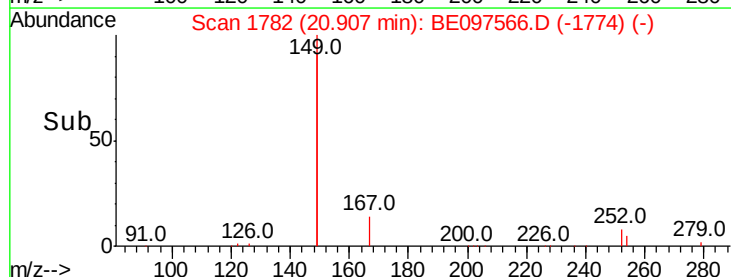
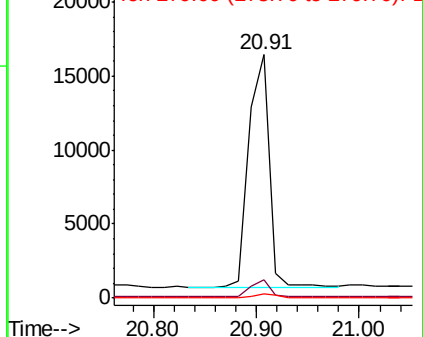


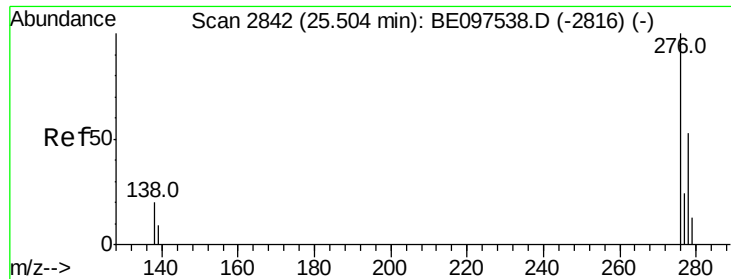
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

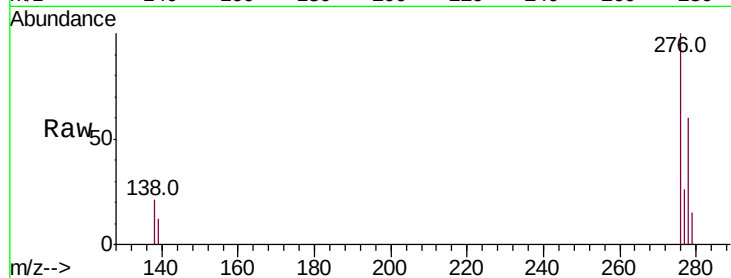




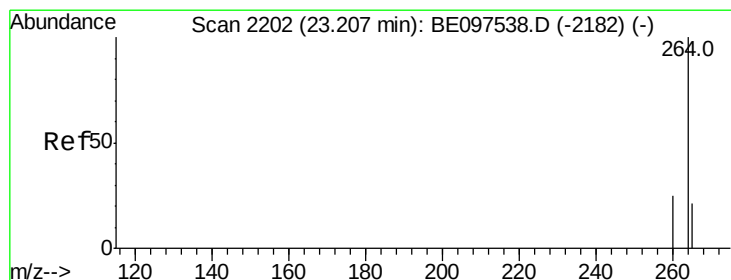
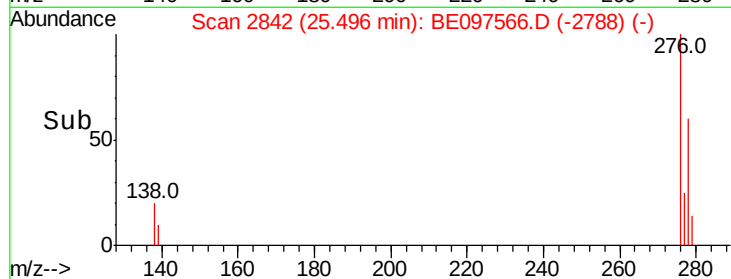
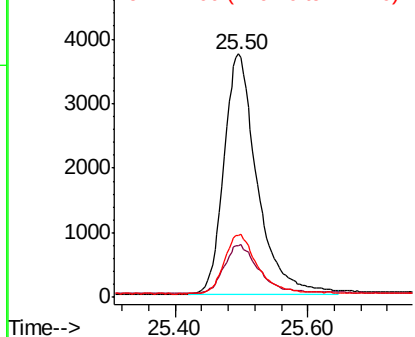
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.461 ng
 RT: 25.50 min Scan# 2842
 Delta R.T. -0.01 min
 Lab File: BE097566.D
 Acq: 20 Sep 2018 7:47

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 12896
 Ion Ratio Lower Upper
 276 100
 138 21.5 22.5 33.7#
 277 24.8 19.9 29.9

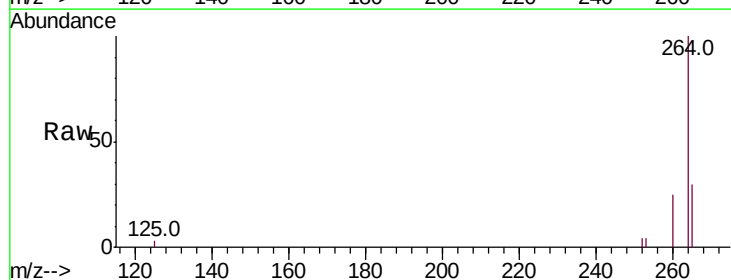


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

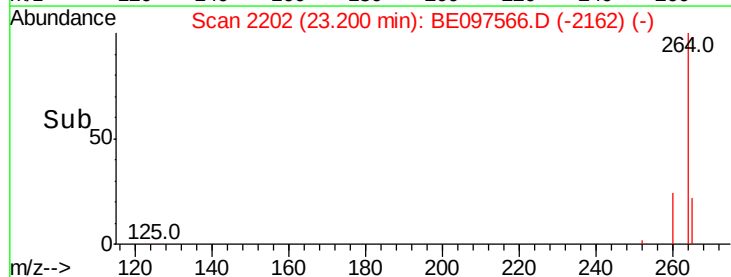
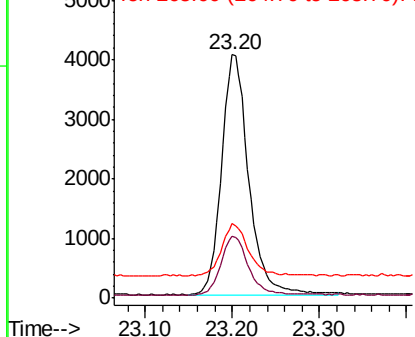


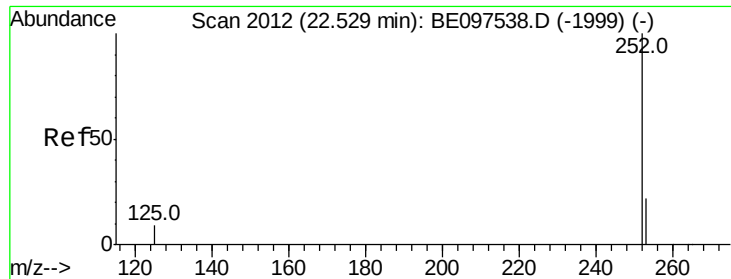
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.20 min Scan# 2202
 Delta R.T. -0.01 min
 Lab File: BE097566.D
 Acq: 20 Sep 2018 7:47

Tgt Ion:264 Resp: 8677
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.5 30.7
 265 30.5 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

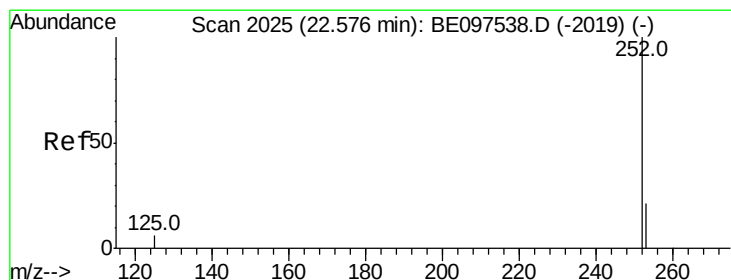
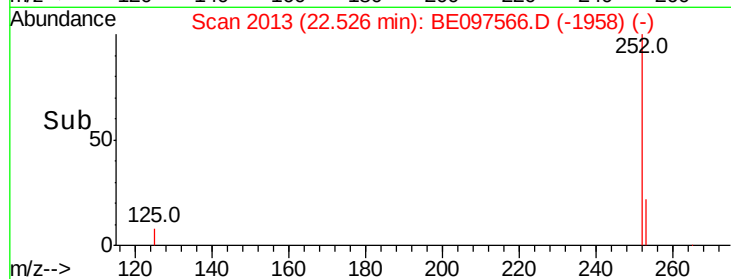
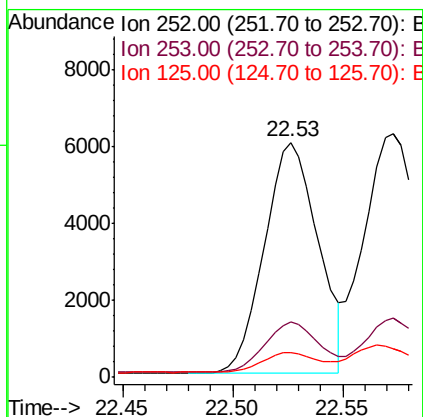
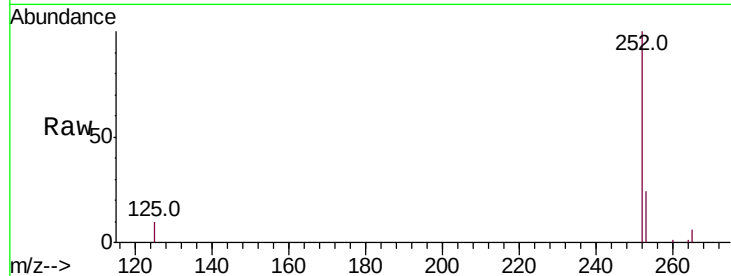




#35
Benzo(b)fluoranthene
Concen: 0.459 ng
RT: 22.53 min Scan# 2013
Delta R.T. -0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

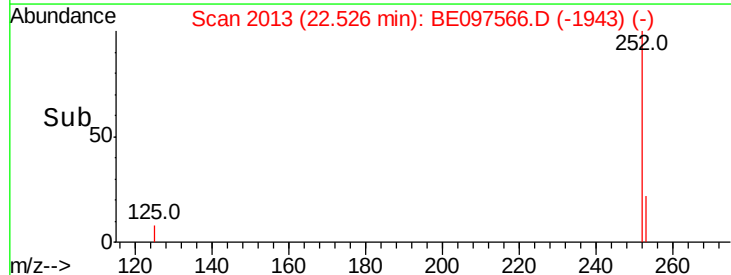
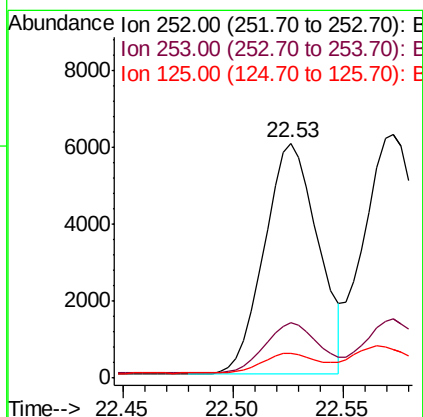
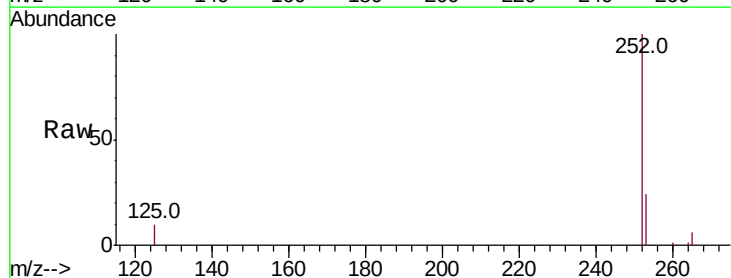
Instrument :
BNA_E
ClientSampleId :

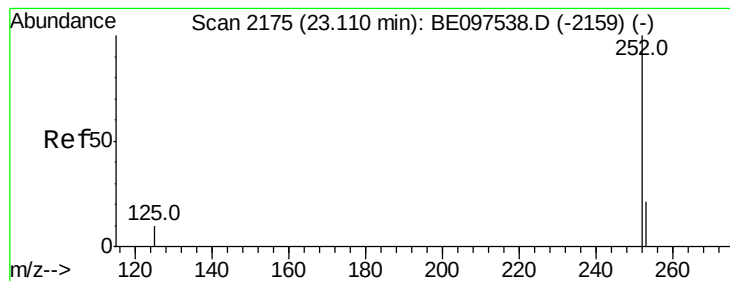
Tot Ion:252 Resp: 10221
Ion Ratio Lower Upper
252 100
253 23.6 20.0 30.0
125 10.4 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.402 ng
RT: 22.53 min Scan# 2013
Delta R.T. -0.05 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:252 Resp: 10221
Ion Ratio Lower Upper
252 100
253 23.6 16.0 24.0
125 10.4 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.474 ng

RT: 23.10 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

Instrument :

BNA_E

ClientSampleId :

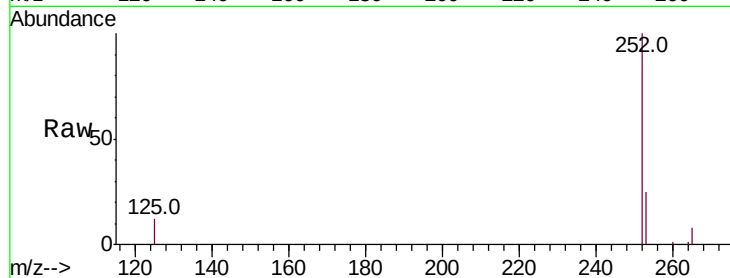
Tot Ion:252 Resp: 10294

Ion Ratio Lower Upper

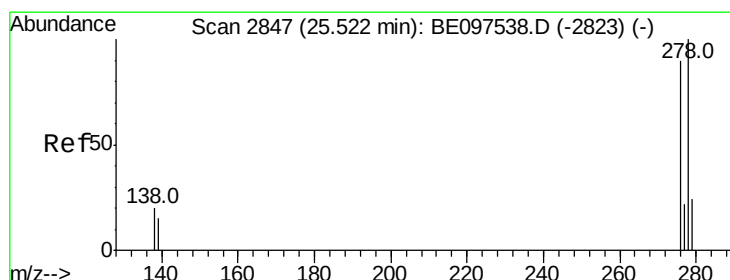
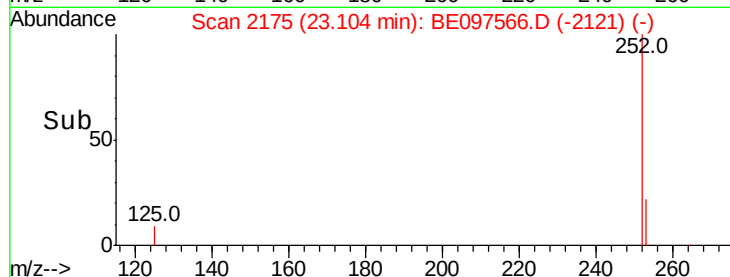
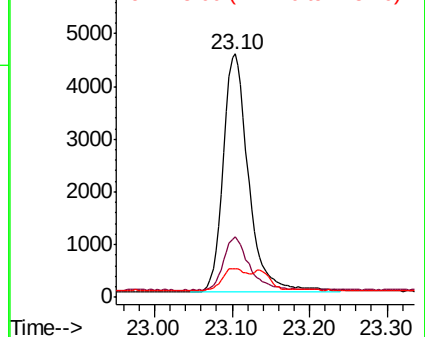
252 100

253 24.8 16.0 24.0#

125 11.9 12.0 18.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.462 ng

RT: 25.51 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

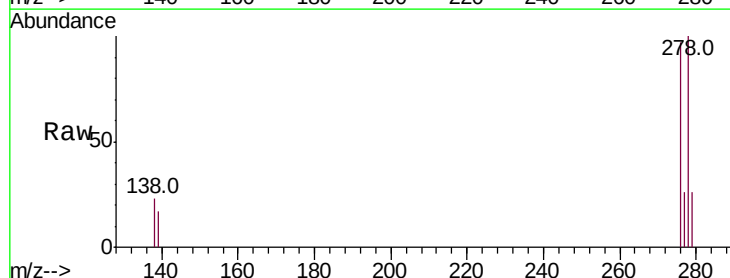
Tgt Ion:278 Resp: 10788

Ion Ratio Lower Upper

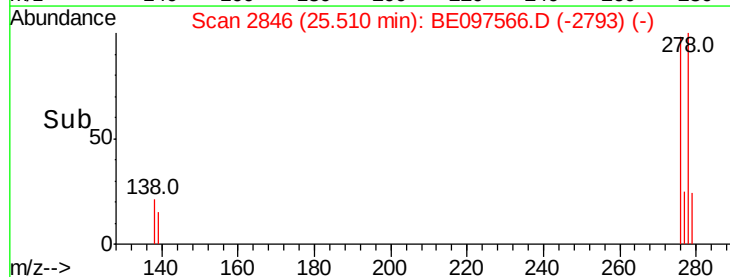
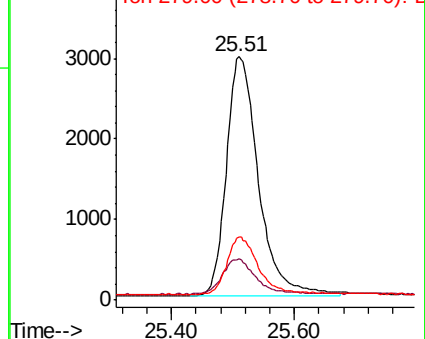
278 100

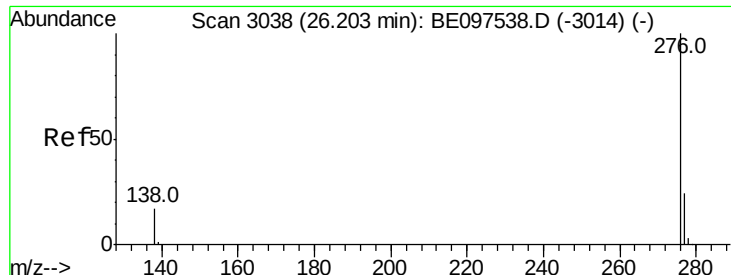
139 17.0 16.0 24.0

279 25.7 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.472 ng

RT: 26.19 min Scan# 3038

Delta R.T. -0.01 min

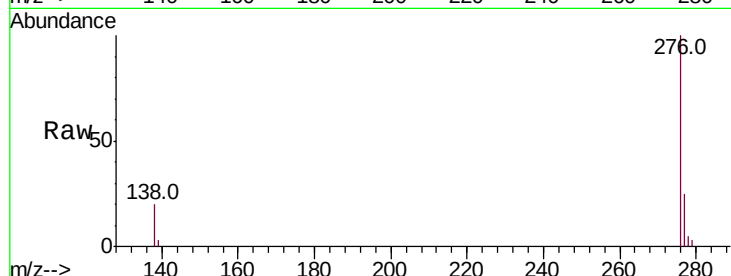
Lab File: BE097566.D

Acq: 20 Sep 2018 7:47

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 10706

Ion Ratio Lower Upper

276 100

277 24.9 16.0 24.0#

138 19.7 20.0 30.0#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

